2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company: SC DHEC

Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Ethylbenzene

Project: SC DHEC ChemNuc GW Page 1 of 3

Report Date: August 31, 2007

DHEC00105

DHEC002

Project: Client ID:

Client Sample ID: 082307-13 Sample ID: 192376001 Matrix: Ground Water Collect Date: 23-AUG-07 10:05

Receive Date: 24-AUG-07 Collector: Client

		Chen						
Parameter	Qualifier	Result Uncertainty	DL	RL	Units	DF	AnalystDate	Time Batch Method

Rad Gamma Spec Analysis							
Gammaspec, Gamma, Liquid Rad Gas Flow Proportional C		ist)					
GFPC, Gross Alpha/Beta, liqu	uid						
Rad Liquid Scintillation Analy	ysis						
LSC, Tritium Dist, Liquid							
Tritium		525	+/-297	462	700	pCi/L	BXF1 08/27/07 1605 664333 3
Volatile Organics							
GEL 8260B Method List Liqui	id						
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1 CDS1 08/28/07 1214 664728 4
1,1,2,2-Tetrachloroethane	U	ND		0.250	1.00	ug/L	1
1,1,2-Trichloroethane	U	ND		0.250	1.00	ug/L	1
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1
1,2-Dichloropropane	U	ND		0.250	1.00	ug/L	1
1,3-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1
1,4-Dioxane	U	ND		20.0	200	ug/L	1
2-Butanone	U	ND		1.25	10.0	ug/L	1
Acrolein	U	ND		3.00	10.0	ug/L	1
Acrylonitrile	U	ND		1.00	10.0	ug/L	1
Benzene	U	ND		0.300	1.00	ug/L	1
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1
Bromoform	U	ND		0.250	1.00	ug/L	1
Bromomethane	U	ND		0.500	1.00	ug/L	1
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1
Chlorobenzene	U	ND		0.250	1.00	ug/L	1
Chloroethane	U	ND		0.500	1.00	ug/L	1
Chloroform	U	ND		0.250	1.00	ug/L	1
Chloromethane	U	ND		0.500	1.00	ug/L	1
Dibromochloromethane	U	ND		0.250	1.00	ug/L	1
Dichlorodifluoromethane	U	ND		0.500	5.00	ug/L	1
T-1 11				0.250	1.00	7	

0.250

ND

1.00

ug/L

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Certificate of Analysis

Company: SC DHEC

Address: 2600 Bull Street

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 31, 2007

	Client Sample ID Sample ID:	:	082307-13 192376001			Proje Clien		DHEC00105 DHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
	U										
Methylene chloride	U	ND		2.00	5.00	ug/L	1				
Tetrachloroethylene	U	ND		0.250	1.00	ug/L	1				
Toluene	U	ND		0.250	1.00	ug/L	1				
Trichloroethylene	U	ND		0.250	1.00	ug/L	1				
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L	1				
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L	1				
Vinyl chloride	U	ND		0.500	1.00	ug/L	1				
Xylenes (total)	U	ND		0.250	3.00	ug/L	1				
cis-1,2-Dichloroethylene		ND		0.300	1.00	ug/L	1				
cis-1,3-Dichloropropyler	ne U	ND		0.250	1.00	ug/L	1				
trans-1,2-Dichloroethyle		ND		0.300	1.00	ug/L	1				
trans-1,3-Dichloropropyl		ND		0.250	1.00	ug/L	1				

The following Analytical Methods were performed

Method	Description	Analyst Comments	
1	EPA 901.1		
2	EPA 900.0		
3	EPA 906.0 Modified		
4	SW846 8260B		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	59.4 ug/L	60.0	99	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	60.9 ug/L	60.0	102	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	59.7 ug/L	60.0	100	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	60.0 ug/L	60.0	100	(77%-122%)

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.

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Certificate of Analysis

Company: SC DHEC Address: 2600 Bull Street

Columbia, South Carolina 29201

SC DHEC ChemNuc GW

Report Date: August 31, 2007

of 3

3

Page

Contact: Mr. Mike Gandy

Project:

 Client Sample ID:
 082307-13
 Project:
 DHEC00105

 Sample ID:
 192376001
 Client ID:
 DHEC002

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

BD Results are either below the MDC or tracer recovery is low

- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct/any questions/to your Project Manager, Jake Crook.

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Certificate of Analysis

Company: SC DHEC

2600 Bull Street Address:

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 3

Report Date: August 31, 2007

DHEC00105

DHEC002

Project: Client ID:

Client Sample ID: Sample ID: 082307-14 192376002 Matrix: Collect Date: Ground Water 23-AUG-07 10:30

	Receive Date:		23-AUG-07 10 24-AUG-07	0:30							
	Collector:		Client								
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analys	sis										
Gammaspec, Gamma, Lic Rad Gas Flow Proportion		st)									
GFPC, Gross Alpha/Beta	ı, liquid										
Rad Liquid Scintillation	Analysis										
LSC, Tritium Dist, Liquid	l										
Tritium		594	+/-306	470	700	pCi/L		BXF1 08/27/0	7 1621	664333	3
Volatile Organics											
GEL 8260B Method List	Liquid										
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1	CDS1 08/28/0	7 1243	664728	4
1,1,2,2-Tetrachloroethane	e U	ND		0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND		0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND		0.250	1.00	ug/L	1				
1,3-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dioxane	U	ND		20.0	200	ug/L	1				
2-Butanone	U	ND		1.25	10.0	ug/L	1				
Acrolein	U	ND		3.00	10.0	ug/L	1				
Acrylonitrile	U	ND		1.00	10.0	ug/L	1				
Benzene	U	ND		0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1				
Bromoform	U	ND		0.250	1.00	ug/L	1				
Bromomethane	U	ND		0.500	1.00	ug/L	1				
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1				
Chlorobenzene	U	ND		0.250	1.00	ug/L	1				
Chloroethane	U	ND		0.500	1.00	ug/L	1				
Chloroform	U	ND		0.250	1.00	ug/L	1				
Chloromethane	U	ND		0.500	1.00	ug/L	1				
Dibromochloromethane	U	ND		0.250	1.00	ug/L	1				
Dichlorodifluoromethane	e U	ND		0.500	5.00	ug/L	1				
Ethylbenzene		ND		0.250	1.00	ug/L	1				

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Certificate of Analysis

 $Company: \quad SC\ DHEC$

Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 31, 2007

	Client Sample ID Sample ID:	•	082307-14 192376002			Proje Clier	ect: nt ID:	DHEC00105 DHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
	U										
Methylene chloride	U	ND		2.00	5.00	ug/L	1	1			
Tetrachloroethylene	U	ND		0.250	1.00	ug/L	1	1			
Toluene	U	ND		0.250	1.00	ug/L	1	1			
Trichloroethylene	U	ND		0.250	1.00	ug/L	1	1			
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L	1	1			
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L	1	[
Vinyl chloride	U	ND		0.500	1.00	ug/L	1	1			
Xylenes (total)	U	ND		0.250	3.00	ug/L	1	1			
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L	1	[
cis-1,3-Dichloropropyler		ND		0.250	1.00	ug/L	1	1			
trans-1,2-Dichloroethyle	-	ND		0.300	1.00	ug/L	1	1			
trans-1,3-Dichloropropyl		ND		0.250	1.00	ug/L	1	I			

The following Analytical Methods were performed

	inity treat interiors were periorined		
Method	Description	Analyst Comments	
1	EPA 901.1		
2	EPA 900.0		
3	EPA 906.0 Modified		
4	SW846 8260B		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	61.0 ug/L	60.0	102	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	61.5 ug/L	60.0	103	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	59.9 ug/L	60.0	100	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	60.4 ug/L	60.0	101	(77%-122%)

Notes

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.

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Certificate of Analysis

Company: SC DHEC Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 3 of 3

Report Date: August 31, 2007

Project: DHEC00105 Client Sample ID: 082307-14 Client ID: DHEC002 Sample ID: 192376002 **Parameter** Qualifier Result Uncertainty DLRLUnits AnalystDate Time Batch Method

- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct only questions to your Project Manager, Jake Crook.

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Certificate of Analysis

Company: SC DHEC

Ethylbenzene

Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 3

Report Date: August 31, 2007

DHEC00105 DHEC002

Project:

Client ID:

Client Sample ID: 082307-15 Sample ID: 192376003 Matrix: Ground Water Collect Date: 23-AUG-07 10:50

ND

Receive Date: 24-AUG-07 Collector: Client

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

Quanner	Result	Uncertainty	DL	KL	Units	DF	AnalystDate	Time	Batch	Method
3										
	ist)									
l Counting										
liquid										
nalysis										
	536	+/-298	461	700	pCi/L		BXF1 08/27/0	07 1638	664333	3
iquid										
U	ND				ug/L	1	CDS1 08/28/0	7 1312	664728	3 4
U	ND				ug/L	1				
U	ND		0.250	1.00	ug/L	1				
U	ND		0.300	1.00	ug/L	1				
U	ND		0.300	1.00		1				
U	ND		0.250	1.00	ug/L	1				
U	ND		0.250	1.00	ug/L	1				
U	ND			1.00		1				
U	ND		0.250	1.00	ug/L	1				
U	ND			1.00	ug/L	1				
U	ND		20.0	200	ug/L	1				
U	ND		1.25	10.0	ug/L	1				
U	ND		3.00	10.0	ug/L	1				
U	ND		1.00	10.0	ug/L	1				
U	ND		0.300	1.00	ug/L	1				
U	ND		0.250	1.00	ug/L	1				
U	ND		0.250	1.00	ug/L	1				
U	ND		0.500	1.00	ug/L	1				
U	ND		0.250	1.00	ug/L	1				
U	ND		0.250	1.00	ug/L	1				
U	ND		0.500	1.00	ug/L	1				
U	ND		0.250	1.00	ug/L	1				
U	ND		0.500	1.00	ug/L	1				
U	ND		0.250	1.00	ug/L	1				
U	ND		0.500	5.00	ug/L	1				
	aid (Standard Late I Counting liquid nalysis liquid U U U U U U U U U U U U U U U U U U U	aid (Standard List) I Counting liquid nalysis 536 iquid U ND U N	aid (Standard List) I Counting liquid nalysis 536 +/-298 iquid U ND U N	Sidi (Standard List) Counting Iiquid Iiq	Add Counting Cou	id (Standard List) 1 Counting liquid U ND 0.300 1.00 ug/L U ND 0.250 1.00 ug/L U ND 0.300 1.00 ug/L U ND 0.300 1.00 ug/L U ND 0.250 1.00 ug/L U ND 0.300 1.00 ug/L U ND 0.300 1.00 ug/L U ND 0.300 1.00 ug/L U ND 0.250 1.00 ug/L U ND 1.25 1.00 ug/L U ND 1.25 10.0 ug/L U ND 1.25 10.0 ug/L U ND 3.00 10.0 ug/L U ND 1.00 10.0 ug/L U ND 0.300 1.00 ug/L U ND 0.300 1.00 ug/L U ND 0.300 1.00 ug/L U ND 0.250 1.00 ug/L	Counting Counting	Counting Counting	Counting Counting	Indexember Ind

0.250

1.00

ug/L

1

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Certificate of Analysis

Company: SC DHEC

Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 31, 2007

	Client Sample ID Sample ID:	:	082307-15 192376003			Proje Clier	ect: nt ID:	DHEC00105 DHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
	U										
Methylene chloride	U	ND		2.00	5.00	ug/L		1			
Tetrachloroethylene	U	ND		0.250	1.00	ug/L		1			
Toluene	U	ND		0.250	1.00	ug/L		1			
Trichloroethylene	U	ND		0.250	1.00	ug/L		1			
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L		1			
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L		1			
Vinyl chloride	U	ND		0.500	1.00	ug/L		1			
Xylenes (total)	U	ND		0.250	3.00	ug/L		1			
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L		1			
cis-1,3-Dichloropropyler	ne U	ND		0.250	1.00	ug/L		1			
trans-1,2-Dichloroethyle	ne U	ND		0.300	1.00	ug/L		1			
trans-1,3-Dichloropropyl	lene U	ND		0.250	1.00	ug/L		1			

The following Analytical Methods were performed

Method	Description	Analyst Comments	
1	EPA 901.1		
2	EPA 900.0		
3	EPA 906.0 Modified		
4	SW846 8260B		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	61.2 ug/L	60.0	102	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	60.7 ug/L	60.0	101	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	59.5 ug/L	60.0	99	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	59.5 ug/L	60.0	99	(77%-122%)

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.

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Certificate of Analysis

Company: SC DHEC Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 3 of 3

Report Date: August 31, 2007

DHEC00105 Client Sample ID: 082307-15 Project: Client ID: DHEC002 Sample ID: 192376003 **Parameter** Qualifier Result Uncertainty DLRLUnits AnalystDate Time Batch Method

- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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Certificate of Analysis

Company: SC DHEC

Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 2

Report Date: August 31, 2007

DHEC00105

DHEC002

Project: Client ID:

Client Sample ID: 082307-16 Sample ID: 192376004 Matrix: Ground Water Collect Date: 23-AUG-07 13:20 Receive Date: 24-AUG-07

Collector: Client

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

Rad Gamma Spec Analysis

Gammaspec, Gamma, Liquid (Standard List)

Rad Gas Flow Proportional Counting

GFPC, Gross Alpha/Beta, liquid

Rad Liquid Scintillation Analysis

LSC, Tritium Dist, Liquid

Tritium U ND +/-268 457 700 pCi/L BXF1 08/27/07 1654 664333 3

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0	
3	EPA 906.0 Modified	

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company: SC DHEC

Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 2

Report Date: August 31, 2007

Client Sample ID: 082307-16 Project: DHEC00105 Sample ID: 192376004 Client ID: DHEC002

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any operations to your Project Manager, Jake Crook.

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 2

Report Date: August 31, 2007

DHEC00105

DHEC002

Project: Client ID:

Client Sample ID: 082307-17
Sample ID: 192376005
Matrix: Ground Water
Collect Date: 23-AUG-07 13:40
Receive Date: 24-AUG-07

Receive Date: 24-AUG-07 Collector: Client

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

Rad Gamma Spec Analysis

Gammaspec, Gamma, Liquid (Standard List)

Rad Gas Flow Proportional Counting

GFPC, Gross Alpha/Beta, liquid

Rad Liquid Scintillation Analysis

LSC, Tritium Dist, Liquid

Tritium U ND +/-277 462 700 pCi/L BXF1 08/27/07 1710 664333 3

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0	
3	EPA 906.0 Modified	

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound

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Project: SC DHEC ChemNuc GW Page 2 of 2

Report Date: August 31, 2007

Client Sample ID: 082307-17 Project: DHEC00105 Sample ID: 192376005 Client ID: DHEC002

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

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